

Abstract

A tire condition sensor unit (e.g., 18A) is for use within a tire condition communication system (10). The sensor unit (e.g., 18A) is for association with a tire (e.g., 14A) of a vehicle (12) and, via a method, communicates a tire condition to a vehicle-based unit (28). A sensor (58) senses the tire condition. Radio frequency transmit circuitry and an antenna (68 and 22) transmit a radio frequency signal (e.g., 24A) that indicates the sensed tire condition. In one aspect, a low frequency antenna and a signal detector (48 and 52) receive a low frequency initiation signal that causes transmission of the radio frequency signal indicative of the sensed tire condition. In another aspect, the radio frequency signal is also indicative of a fixed identification.

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